NEO-SLIM TRI/ION

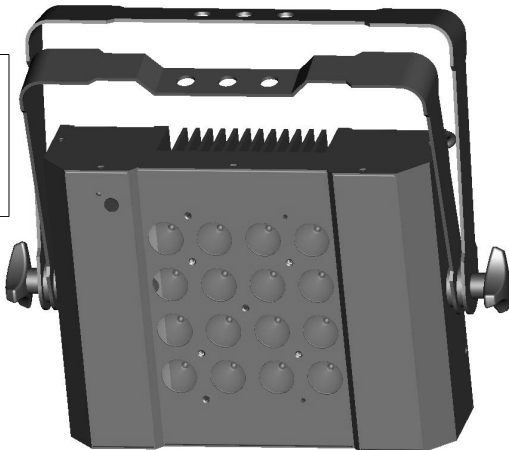*Thank you for investing in our NEO-SLIM TRI/ION*
Totally portable with it's Lithium-Ion battery cells and remote ready to give you a standalone solution for your world of light. Coupled with it's dual IR receivers and you can set it up to your requirements with a touch of the supplied remote. Please read through this user manual and keep it on file for your future referral.

TECHNICAL SPECIFICATIONS

LED	16 3W 3in1 RGB
POWER/CHARGER	IN-100-240VAC 50/60hZ OUT-16V 1800mA
POWER CONSUMPTION	48W
FUSE	1A-250V/2A-125V
CONTROL	DMX/IR/Master-Slave/Audio/Auto modes
DMX CHANNELS	3/8
DIMENSIONS	L360xW298xH102mm
NET WEIGHT	4.8Kg

BATTERY SPECIFICATIONS

OPERATING	1 COL	2 COL	3 COL
TIME FULL POWER	7 HOURS	4 HOURS	2.5 HOURS
TIME HALF POWER	14 HOURS	8 HOURS	5 HOURS
CHARGE LIFE-500 TIMES APPROXIMATE			

! SAFETY FIRST

- THIS LIGHT IS INTENDED FOR INDOORS AND UNDER ADEQUATELY PROTECTED STAGES.
- DO NOT POWER IT ON WHEN THE PRODUCT IS IN THE PACKAGE ENSURE ADEQUATE VENTILATION PRIOR TO OPERATION.
- ENSURE THE UNIT'S POWER SUPPLY AND PLUG ARE ADEQUATELY GROUNDED. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK AND POSSIBLE ELECTROCUTION.
- DO NOT ATTEMPT TO REPAIR THE UNIT UNLESS YOU ARE COMPETENT TO DO SO. IF IN DOUBT SEEK PROFESSIONAL HELP.
- DO NOT LOOK DIRECTLY INTO THE LIGHT SOURCE AS IT MAY CAUSE DAMAGE TO YOUR EYES.

WHAT'S INCLUDED-CHECK YOUR CONTENTS

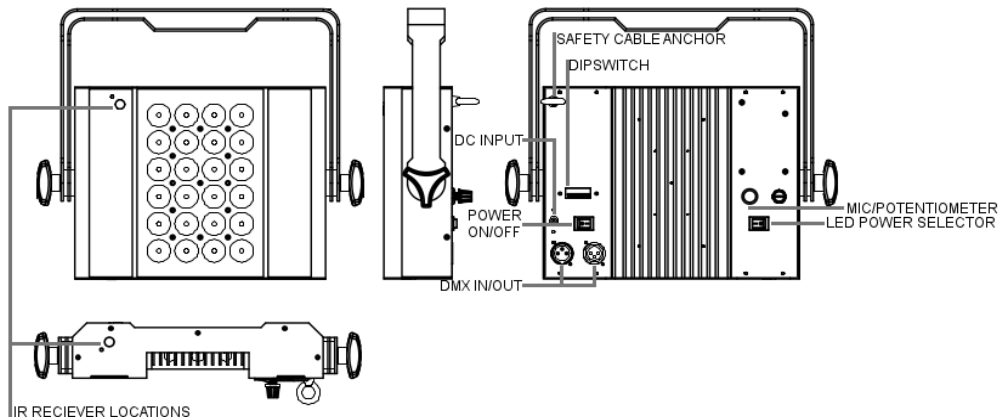| |
|---|
| **(A) 1 SLIM TRI-ION** |
| **(B) 1 IEC POWER CABLE** |
| **(C) IR REMOTE CONTROL UNIT** |

GETTING STARTED

SELECT CONTROL MODE
Using the DIP-SWITCH interface you can determine the control option you require.
Check the table below for details-

CONTROL	DIPSWITCH		
DMX	1-9 TO SET ADDRESS	**AUDIO**	#9+#10 SET TO "ON"
AUTO(MATIC)	#10 SET TO "ON"	**MANUAL**	#8+#9+#10 SET TO "ON"
MASTER/SLAVE	**When running in AUTO/AUDIO/MANUAL simply link subsequent units with DMX cable(s).**		

> **DMX DIPSWITCH VALUES**
> #1=1 #2=2 #3=4 #4=8 #5=16 #6=32 #7=64 #8=128 #9=256

NEO-SLIM TRI/ION

DETAILED DIAGRAM

SAFETY CABLE ANCHOR

DIPSWITCH

DC INPUT

POWER ON/OFF

DMX IN/OUT

MIC/POTENTIOMETER

LED POWER SELECTOR

IR RECIEVER LOCATIONS

DMX CHANNEL MAPPING-SHORT MODE

DMX CHANNEL	LABEL	FUNCTION	HEX VALUE
1	RED	Linear colour	000-255
2	GREEN	Linear colour	000-255
3	BLUE	Linear colour	000-255

DMX CHANNEL MAPPING-FULL MODE

DMX CHANNEL	LABEL	FUNCTION	HEX VALUE
1	Intensity	Linear intensity	000-255
2	Strobe	Blackout	000-009
		Linear	010-057
		Random	058-105
		Flash	106-153
		Ramp up	154-201
		Ramp down	202-249
		On	250-255
3	RED	Linear colour	000-255

DMX CHANNEL MAPPING-FULL MODE CONTINUED

4	GREEN	Linear colour	000-255
5	BLUE	Linear colour	000-255
6	Macro select	No macro	000-009
		Macro#1	010-031
		Macro#2	032-063
		Macro#3	064-095
		Macro#4	096-127
		Macro#5	128-159
		Macro#6	160-191
		Macro#7	192-223
		Macro#8	224-255
7	Macro speed	Slow to fast control	000-255
8	Macro time	0-100% XFADE	000-255

AUTO/AUDIO* DIPSWITCH SETTINGS-MACRO SELECT
(0=OFF 1=ON X=RESERVED FOR SPEED/FADE/STROBE)

*AUDIO MODE DOES NOT REQUIRE SPEED CONTROL ONLY USE DIPSWITCH #9 & #10 IF YOU REQUIRE AUDIO MODE TO FUNCTION. SET AUDIO SENSITIVITY WITH THE POTENTIONMETER LOCATED ON REAR OF UNIT.

MACRO SELECT	DIPSWITCH									
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
MACRO 1	0	0	0	X	X	X	X	0	*1	1
MACRO 2	1	0	0	X	X	X	X	0	*1	1
MACRO 3	0	1	0	X	X	X	X	0	*1	1
MACRO 4	1	1	0	X	X	X	X	0	*1	1
MACRO 5	0	0	1	X	X	X	X	0	*1	1

SPEED/FADE/STROBE DIPSWITCH SETTINGS
(0=OFF 1=ON X=RESERVED FOR MACRO SELECT)
*AUDIO MODE DOES NOT REQUIRE SPEED CONTROL

SPEED/FADE/STROBE SELECT	DIPSWITCH									
	1	2	3	4	5	6	7	8	9	10
SPEED 1	X	X	X	0	0			0	0	1
SPEED 2	X	X	X	1	0			0	0	1
SPEED 3	X	X	X	0	1			0	0	1
SPEED 4	X	X	X	1	1			0	0	1
STROBE	X	X	X			1	X	0	0	1
FADE 100%	X	X	X			0	1	0	0	1

MANUAL DIPSWITCH SETTINGS [0=OFF 1=ON X=NO FUNCTION]

COLOR SELECT	DIPSWITCH									
	1	2	3	4	5	6	7	8	9	10
RED 25%	1	0						1	1	1
RED 50%	0	1						1	1	1
RED 100%	1	1						1	1	1
GREEN 25%			1	0				1	1	1
GREEN 50%			0	1				1	1	1
GREEN 100%			1	1				1	1	1
BLUE 25%					1	0		1	1	1
BLUE 50%					0	1		1	1	1
BLUE 100%					1	1		1	1	1
STROBE							1	1	1	1

IR REMOTE CONTROL GUIDE

No doubt you have used a remote control in your time, so here's another one to get to grips with. Push all the buttons until you get what you need, but just in case you get stuck, check out our guide below-

R G B buttons activate/de-activate the red green and blue LEDs.
Pressing a number from 1 thru 9 will set the level of the relevant colour button pushed.
Eg.Push RED then push 3 and you'll set the red channel at 30%

FADE button activates fade, you can select which colours to fade between by pushing the RGBW buttons.

Pushing AUTO will enable the MACRO's to operate, subsequent pushes of this button will cycle through all available macros.

The + key will set the speed of the selected macro.

Sound button activates sound mode, which does not mean your SLIM-ION will play a bar of Zeppelin, rather it will just activate the internal MIC to allow sound to light sequencing.

Flash button will toggle the strobe and pushing a numeric key from 1-4 will set the rate of strobe.

Blackout button cuts the light output to zero pushing again resumes the previous state.

TROUBLESHOOTING

DMX NOT RESPONDING	**ENSURE THE CHANNEL ADDRESSING IS CORRECT TO YOUR CONSOLES PATCH. CHECK CABLES FOR CONTINUITY REPLACE IF NECESSARY.**
NO POWER TO UNIT	**CHECK THE POWERCON IS CONNECTED CORRECTLY, INSERT THE POWERCON AND TWIST IT APPROX TEN DEGREES, IT SHOULD "CLICK" INTO POSITION. CHECK FUSE AND/OR POWER SOURCE.**
ERRATIC CONTROL WHEN IN DMX	**ENSURE YOUR DMX NETWORK IS TERMINATED AT THE END OF THE CHAIN WITH AN XLR TERMINATION PLUG. CHECK POLARITY OF DMX CABLES.**

CLEANING AND MAINTENANCE

We recommend periodic maintenance to ensure your fixture remains as good as the day you purchased it.
Ensure ventilation points are free of blockages, such as dust, balloons and small children.
Check this every month to prevent unit from possible overheating.
Clean external housing once a month with a damp cloth, a small amount of household detergent can be used to remove buildup of oils, dust and death star debris,
Do not use solvents or acid/alkaline solutions to clean, doing so will damage the fixture.

SUPPORT AND ENQUIRIES

EMAIL
DLB@NEO-NEON.COM
DLD@NEO-NEON.COM

PHONE
+86 137 6072 6377

WWW.FACEBOOK.COM/NEONEONENTERTAINMENT